

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067074.D
 Acq On : 05 Oct 2020 10:57
 Operator : VA/SY
 Sample : VD1005SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:05 PM

Quant Time: Oct 06 07:32:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	471773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	719816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	658894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	222457	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.91	113	245893	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	10.34	98	910592	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.63	95	308901	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93161	21.726	ug/l	90
3) Chloromethane	2.20	50	73030	19.438	ug/l	100
4) Vinyl Chloride	2.34	62	72498	19.244	ug/l	100
5) Bromomethane	2.76	94	51529	18.491	ug/l	100
6) Chloroethane	2.92	64	42146	18.370	ug/l	98
7) Trichlorofluoromethane	3.27	101	166772	19.925	ug/l	99
8) Diethyl Ether	3.70	74	42325	20.392	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96444	20.386	ug/l	97
10) Methyl Iodide	4.29	142	78529	17.084	ug/l	98
11) Tert butyl alcohol	5.22	59	23252	48.063	ug/l	98
12) 1,1-Dichloroethene	4.07	96	87479	19.670	ug/l	96
13) Acrolein	3.92	56	27785	91.317	ug/l	99
14) Allyl chloride	4.71	41	114636	19.842	ug/l	98
15) Acrylonitrile	5.42	53	72776	95.270	ug/l	98
16) Acetone	4.15	43	72678	104.775	ug/l	98
17) Carbon Disulfide	4.40	76	272593	19.973	ug/l	99
18) Methyl Acetate	4.71	43	33847	19.414	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	158611	19.537	ug/l	95
20) Methylene Chloride	4.96	84	101982	15.732	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	102181	20.189	ug/l	96
22) Diisopropyl ether	6.36	45	213729	20.263	ug/l	98
23) Vinyl Acetate	6.30	43	567266	94.910	ug/l	98
24) 1,1-Dichloroethane	6.27	63	160584	19.728	ug/l	97
25) 2-Butanone	7.21	43	88174	89.658	ug/l	93
26) 2,2-Dichloropropane	7.21	77	147634	18.621	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	107684	19.922	ug/l	100
28) Bromochloromethane	7.54	49	54890	17.461	ug/l	96
29) Tetrahydrofuran	7.56	42	53293	94.245	ug/l	98
30) Chloroform	7.70	83	176151	19.949	ug/l	96
31) Cyclohexane	7.99	56	133172	19.514	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	165297	20.199	ug/l	99
36) 1,1-Dichloropropene	8.11	75	132501	19.748	ug/l	97
37) Ethyl Acetate	7.29	43	42300	18.199	ug/l #	96
38) Carbon Tetrachloride	8.09	117	152141	20.957	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	145476	20.508	ug/l	98
40) Benzene	8.34	78	379686	20.374	ug/l	99
41) Methacrylonitrile	7.52	41	25628	20.409	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	104491	20.066	ug/l	100
43) Isopropyl Acetate	8.45	43	80610	18.826	ug/l	97
44) Trichloroethene	9.11	130	116240	20.888	ug/l	99
45) 1,2-Dichloropropane	9.38	63	90811	20.739	ug/l	92
46) Dibromomethane	9.47	93	50849	20.205	ug/l	98
47) Bromodichloromethane	9.66	83	132009	20.179	ug/l	98
48) Methyl methacrylate	9.45	41	42451	19.351	ug/l	94
49) 1,4-Dioxane	9.46	88	10281	391.416	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	206403	96.774	ug/l	99
52) Toluene	10.40	92	252591	21.041	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	118410	20.252	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	144199	20.197	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	70761	20.223	ug/l	95
56) Ethyl methacrylate	10.66	69	73232	20.272	ug/l	98
57) 1,3-Dichloropropane	10.94	76	115324	20.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	204905	101.911	ug/l	98
59) 2-Hexanone	10.98	43	139151	97.750	ug/l	98
60) Dibromochloromethane	11.14	129	97518	20.911	ug/l	100
61) 1,2-Dibromoethane	11.24	107	69109	20.559	ug/l	98
64) Tetrachloroethene	10.87	164	99620	20.797	ug/l	93
65) Chlorobenzene	11.67	112	272277	20.777	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	102301	20.523	ug/l	100
67) Ethyl Benzene	11.74	91	476741	21.233	ug/l	97
68) m/p-Xylenes	11.86	106	368385	42.099	ug/l	99
69) o-Xylene	12.18	106	163879	20.943	ug/l	96
70) Styrene	12.20	104	289310	21.531	ug/l	99
71) Bromoform	12.36	173	54608	21.104	ug/l #	97
73) Isopropylbenzene	12.48	105	460724	21.306	ug/l	100
74) N-amyl acetate	12.29	43	74433	19.147	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	71080	19.509	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	50617m	18.247	ug/l	
77) Bromobenzene	12.77	156	110944	21.247	ug/l	98
78) n-propylbenzene	12.82	91	544858	21.320	ug/l	98
79) 2-Chlorotoluene	12.91	91	308015	21.065	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	395396	21.642	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21440	19.269	ug/l	97
82) 4-Chlorotoluene	13.01	91	324231	20.841	ug/l	99
83) tert-Butylbenzene	13.23	119	337320	21.925	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	387268	21.240	ug/l	98
85) sec-Butylbenzene	13.41	105	461182	21.286	ug/l	100
86) p-Isopropyltoluene	13.52	119	429647	21.389	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	213651	21.007	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	212737	20.919	ug/l	97
89) n-Butylbenzene	13.85	91	378022	20.592	ug/l	99
90) Hexachloroethane	14.11	117	70969	20.170	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	179838	20.246	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11333	19.296	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120936	21.049	ug/l	99
94) Hexachlorobutadiene	15.28	225	74788	21.195	ug/l	98
95) Naphthalene	15.41	128	190387	19.867	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	106528	21.359	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

